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9 FEB 1966

SUBJECT: NINTH PERIODIC SUMMARY REPORT COVERING PERIOD FROM
COB 21 JAN 66 THRU COB 4 FEB 66.

1.

MSN NBR	SC&DM	DP'S	ON'S	STATUS
65TA04	3 DEC 65	12 JAN 66	12 JAN 66	EVALUATION COMPLETE
66T048	21 JAN 66	NOT PRODUCED	3 FEB 66	IN PROCESS

2. THIS IS A CONTINUATION OF INFORMATION ON 65TA04 IN

6328. CORRELATION COVERS PERIOD FROM SECOND CAMERA ON, ELAPSED TIME 7267 TO END OF MISSION, FRAME 1174; ELAPSED TIME 9389. THREE, FOUR, AND FIVE SECOND DIFFERENCES RECORDED UNTIL ELAPSED TIME 9783. INS APPEARS TO RECORD AT 5 SECOND INTERVALS AFTER END OF FILM.

THE SAME CORRELATION PROBLEMS EXIST AS REPORTED IN

6328. A FAIRLY GOOD FORWARD FRAME TO INS LINE MATCH COULD BE MADE BY INSERTING INS LINES AT 9 SECOND INTERVALS AND DELETING 0, 1, AND 2 SECOND PULSES. THIS INVOLVED DELETING LINES AT ELAPSED TIME 7327, 7384, 7432, 7481, 8092, 8110, 8141, 8186, 8346, 8520, 8575, 8630, 8797, 8848, 8874, 9055, AND 9232. LINES WERE

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1
2
3
4
5/6,7
25X1
PAQ
DIAX-1
SPAD
NSA-LO
NSA-M

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INSERTED TO CORRESPOND TO ELAPSED TIME 7979, 8298, 8312, 8618, 8622, 8667, 8786, 8836, 9075, AND 9214. THUS, THE INS TAPE LINES HAD 4, 5 OR 6 SECOND DIFFERENCES CORRESPONDING TO THE INDICATED DIFFERENCES OF FORWARD CAMERA CYCLE TIME FROM THE FILM DATA BLOCK. THIS TYPE OF SOLUTION PRESENTS A PROBLEM IN THAT VALID DATA COULD BE DELETED AND INVALID DATA INSERTED.

FROM ELAPSED TIME 7334 TO 8585, THE FILM DATA BLOCK LONGITUDE LED THE INS LONGITUDE IN THE DIRECTION OF FLIGHT BY 0 TO 5 MINUTES FOR THE SAME ELAPSED TIMES. THE FILM DATA BLOCK LATITUDE LED THE INS LATITUDE IN THE DIRECTION OF FLIGHT BY 1 TO 5 MINUTES. FROM ELAPSED TIME 8608 TO END OF FLIGHT, THE DATA BLOCK COORDINATES DIFFERED FROM THE INS COORDINATES IN BOTH LATITUDE AND LONGITUDE BY 0 TO 2 MINUTES, WHICH IS THE MAXIMUM DIFFERENCE IN THIS AREA.

THE FILM DATA BLOCK SHOWS A CAGED POSITION FOR ABOUT THE FIRST 987 FRAMES WHILE THE INS RECORDED AN UNCAGED CONDITION. APPEARS THAT CAGE INDICATOR ON FILM DATA BLOCK INCORRECT.

PHOTOGRAPHY INDICATES HEAVY CLOUD COVER OVER PORTIONS OF MISSION. WAS SELECTOR KNOB FOR V/H IN CLOUD POSITION DURING THIS MISSION? IF SO, AT WHAT TIME? WHAT IS NOMINAL SIGNAL USED AS V/H CONTROL SIGNAL? WILL THIS NOMINAL VALUE BE RECORDED ON INS TAPE WHEN SELECTOR KNOB IS IN CLOUD POSITION?

INITIAL EVALUATION OF INS TAPE FROM MISSION 66T048 RECORDED IN INS TAPE WAS CORRECTED AND PROCESSED UP TO INITIAL RUN ON FRAME EPHEMERIS ON BASIS CAMERA UNCAGED.

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LATER [REDACTED] RECEIVED CABLE STATING CAMERA REALLY CAGED THOUGH
INS SHOWED UNCAGED. RESULT IS [REDACTED] MUST REPROCESS ENTIRE
MISSION.

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-END OF MESSAGE-

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